

The AESI logo features the letters "AESI" in a bold, blue, serif font. The letters are positioned above a blue horizontal bar that tapers to the right. A small red circle is located at the left end of this bar.

**AESI**



# **Questions to Ask & Monitoring Your Cyber Posture**

**MEARIE 2016 Conference**

Doug Westlund

VP, Strategic Planning & Implementation Services

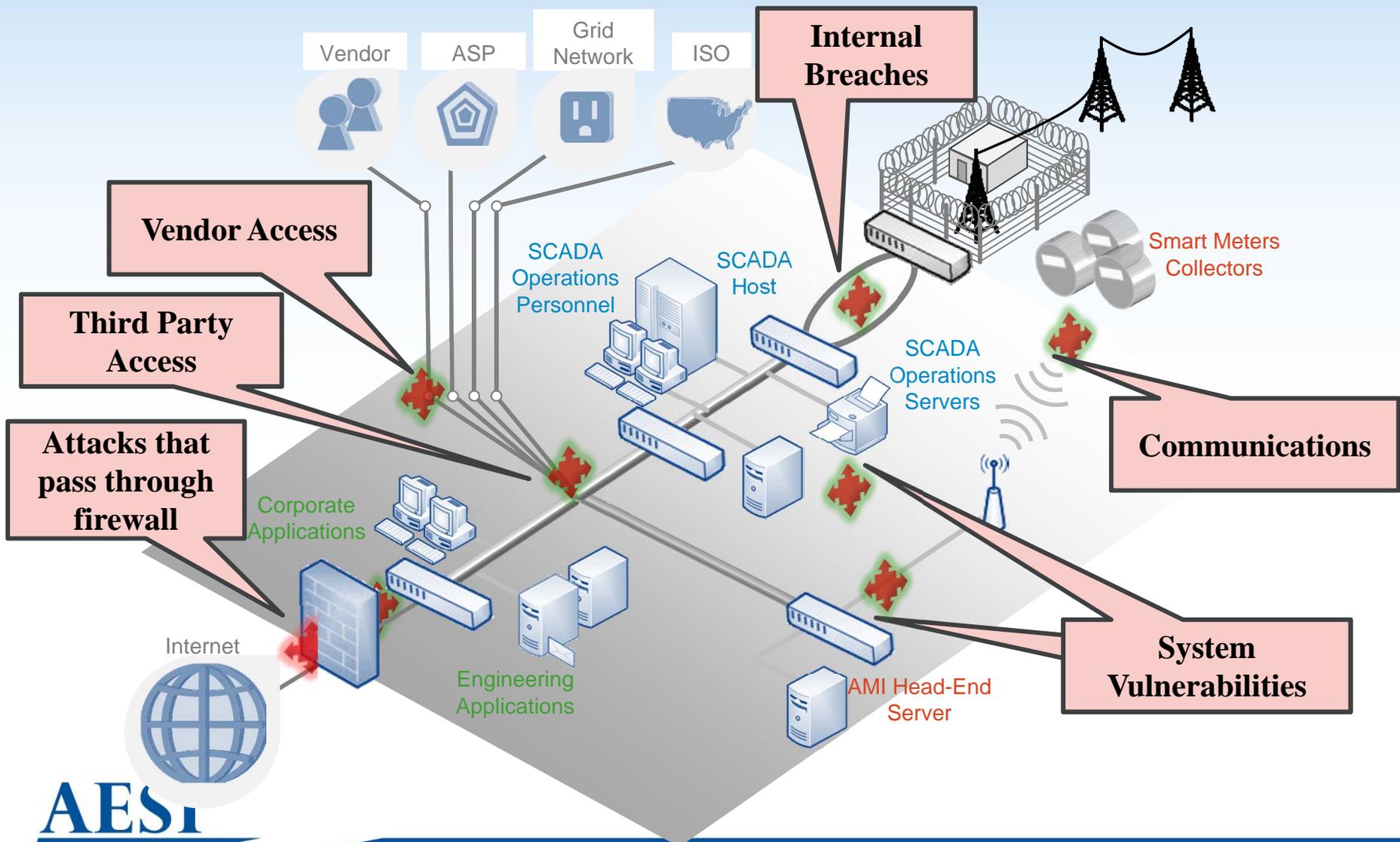
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# Presentation Topics



- **Cyber Risks for LDCs**
- **What Questions to Ask**
- **Security Blueprint – Governance Tool**
- **Security Dashboard – Risk Management Tool**
- **Q & A**

# Cyber Risks for LDCs



# Key Cyber Security Principles for Utilities



- **It's a continuous risk management process**
- **Internal capabilities and external risks and threat levels need to be gauged**
- **A holistic perspective is required including IT, OT, physical security and governance**
- **Unlike beer there is no silver bullet ...**



# AON 2015 Risk Management Report



## Top 10 risks

In every survey, respondents are asked to rank formidable risks facing their companies. We then choose the top 10 risks for detailed discussion, which is one of the perennial highlights:

1. Damage to reputation/brand
2. Economic slowdown/slow recovery
3. Regulatory/legislative changes
4. Increasing competition
5. Failure to attract or retain top talent
6. Failure to innovate/meet customer needs
7. Business interruption
8. Third-party liability
9. Computer crime/hacking/viruses/malicious codes
10. Property damage

**“Computer crimes/ hacking have emerged for the first time as a top-10 risk”**

**“Cyber risk is fast moving, impossible to predict, and difficult to understand, but the damage can be immense”**

# The Board's Role



*“If a cybersecurity breach were to bring down a major portion of our power grid, we could not pump water or fuel, could not access our financial records, and our communications networks would be silent.*”

*Electric utilities and their boards of directors need to be proactive in dealing with this threat.”*

*Source: A New Responsibility for Utility Boards of Directors: Cybersecurity, ElectricityPolicy.com, October 2015*

# What Questions to Ask ?



## 1) Do we have an adequate cyber & privacy training program for the LDC and the Board ?



**Mgt Team / Board:**

**Cyber Risk Training**

**Annually, or as required**



**All Employees:**

**Awareness Training**

**Every Quarter**



**Critical Systems Users:**

**Detailed Training**

**Annually, or as required**

# What Questions to Ask ?



## 2) Who has responsibility for cyber security on the Board ?



# What Questions to Ask ?



## 3) Does the Board and the LDC have the necessary skills to manage our cyber risk ?



Hiring

Training

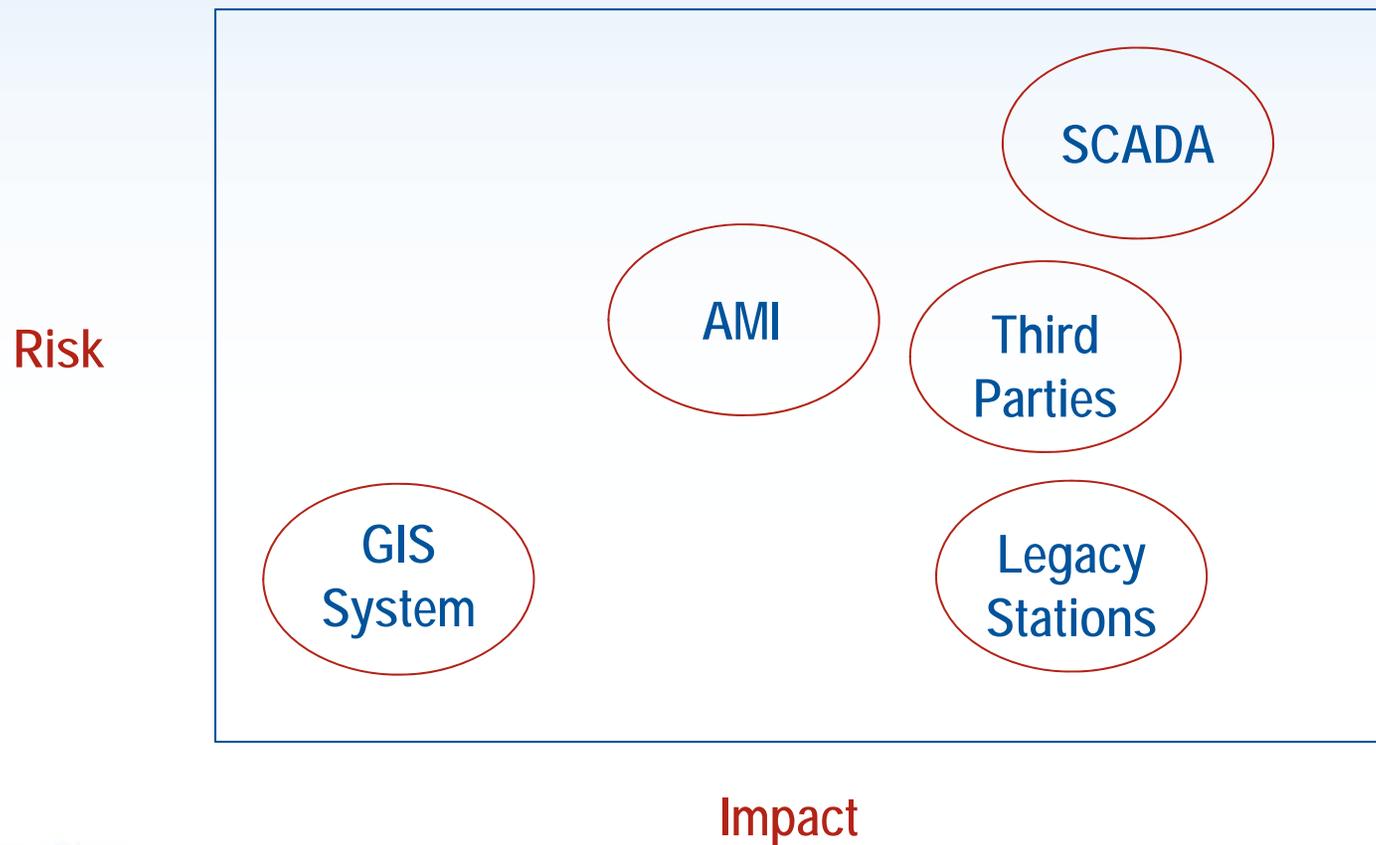
Assistance from Vendors

Collaboration with other LDCs and industry groups !

# What Questions to Ask ?



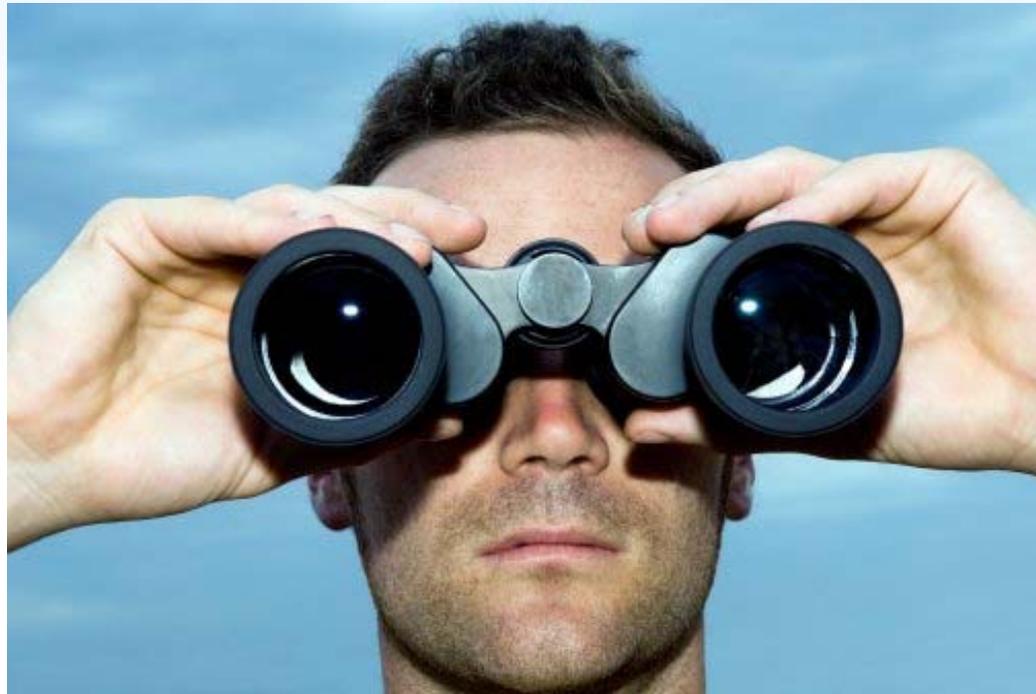
## 4) What is our cyber risk tolerance ?



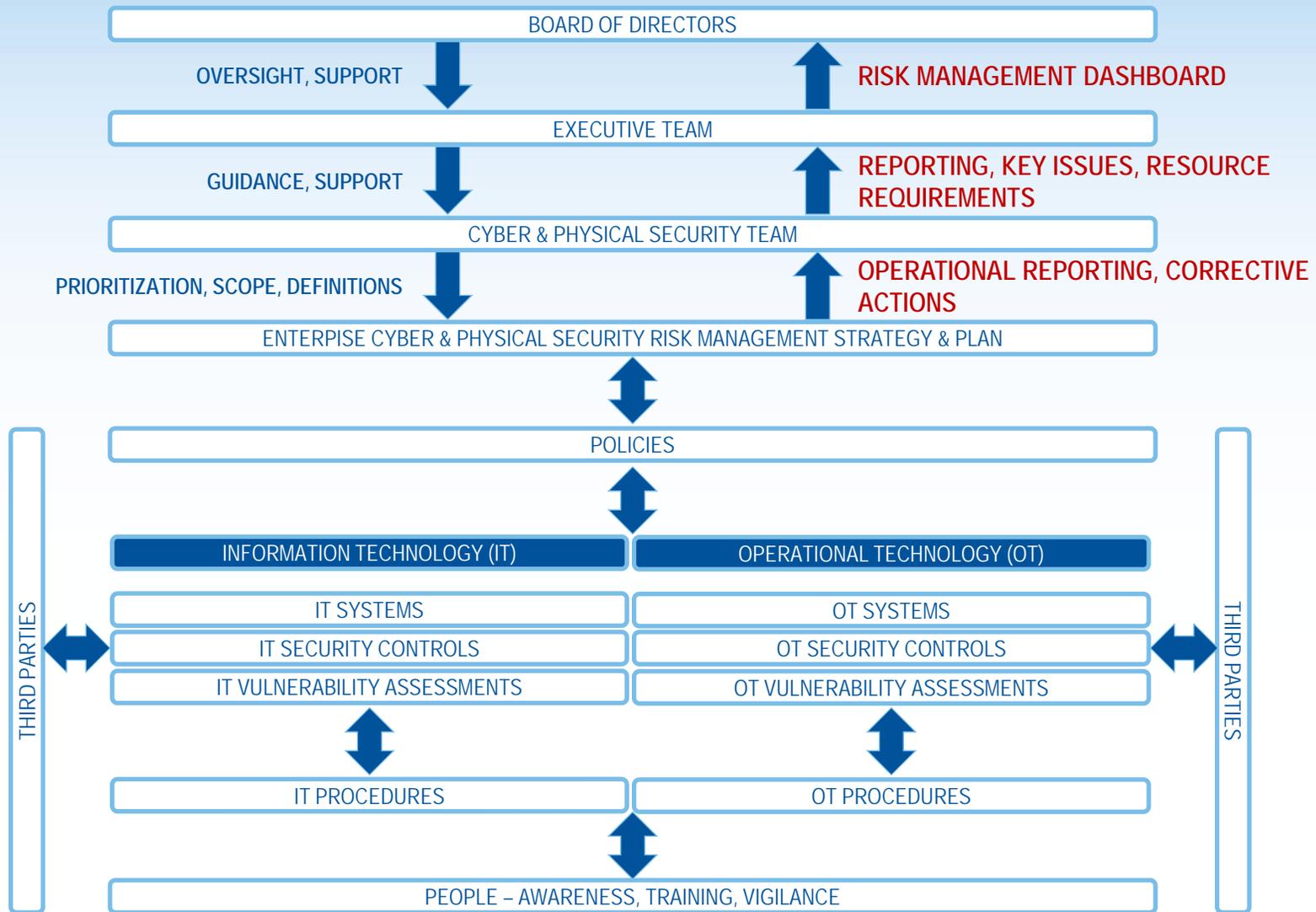
# What Questions to Ask ?



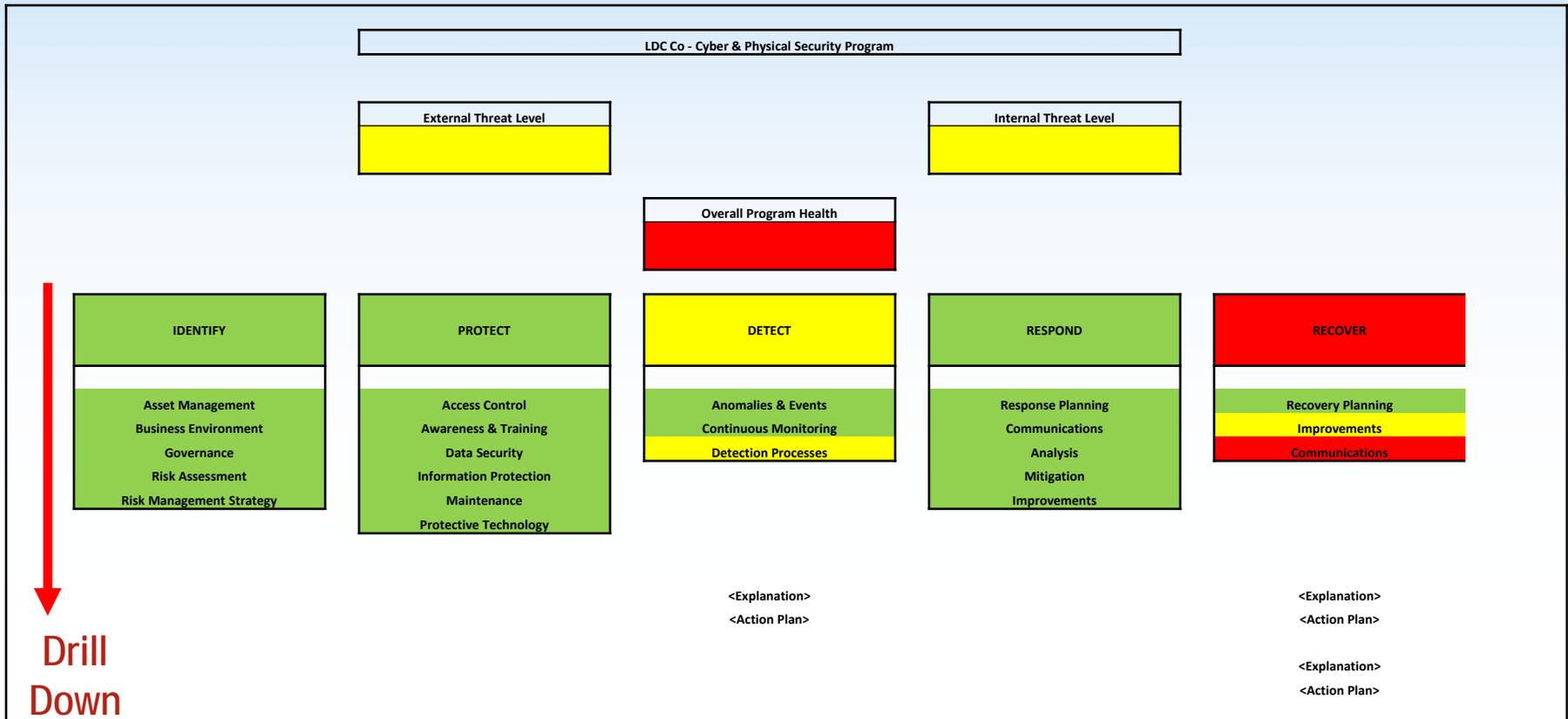
**5) Do we have visibility / line of sight to our cyber security posture on a continuous basis ?**



# Security Blueprint – A Governance Tool



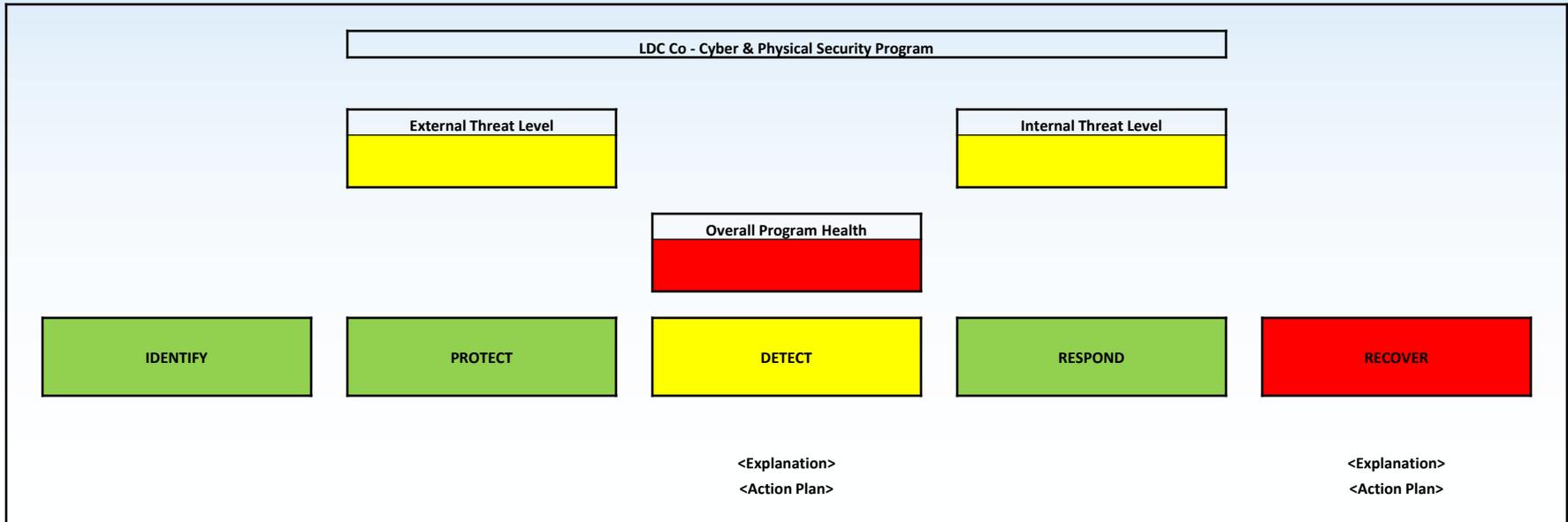
# Dashboards – Operational View



*Framework for Improving Critical Infrastructure Cybersecurity, Version 1.0, NIST*



# Dashboards – Board / Executive View



*Framework for Improving Critical Infrastructure Cybersecurity, Version 1.0, NIST*



**Addressing the 5 Questions**

+

**Governance**

+

**Risk Management**

=

**Improved Cyber Security Posture and**

**Evidence of Due Diligence**



**Thank You !**

**Doug Westlund**

**VP Strategic Planning & Implementation Services**

**AESI Inc.**

**[dougw@aes-inc.com](mailto:dougw@aes-inc.com)**

**905-875-2075 ext 278**